

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strikethrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please AMEND the claims as follows:

1. (currently amended) A computer-implemented search processing method, comprising:

searching a predetermined document group according to a first search condition specified by a user to extract data of a plurality of documents as extracted documents from a storage that stores said predetermined document group;

first transforming said extracted data of said plurality of documents into information to indicate said extracted data of said plurality of documents to said user in a first display form and to enable said user to select a generated display item, which is generated from said extracted data of said plurality of documents, to be utilized as a second search condition in a follow up search process~~following processing wherein said display item is generated from said data of said plurality of documents extracted from said storage, and outputting the transformed information in the first display form;~~

receiving from said user designation of a second display form different from said first display form~~from said user;~~

extracting data of documents corresponding to said selected generated display item ~~selected by said user from said storage or from said extracted data of said plurality of documents;~~ and

second transforming said extracted data of said documents corresponding to said selected generated display item as extracted selected data into information to indicate said extracted selected data of said documents to said user in said second user designated display form, ~~which is designated by said user and different from said first display form, specified by said user and to enable said user to select a display item from said extracted selected data to be utilized as a third search condition in a follow up search process~~~~following processing, wherein said display item is generated from said data of said documents corresponding to said selected~~

display item, and outputting the transformed information in the second user designated display form.

2. (currently amended) The computer-implemented search processing method as set forth in claim 1, wherein each said first and second display forms is ~~at least one~~ one or more of a first form showing indications of the extracted documents that have been classified by used words in said extracted documents,

a second form showing indications of said extracted documents, and segments between the indications, each said segment representing a degree of relevancy between said extracted documents, that is calculated by used words in said extracted documents,

a third form showing a graph representing a result obtained by classifying and aggregating said extracted documents based on used words in said extracted documents;

a fourth form showing used words in said extracted documents and segments representing a degree of relevancy among said used words,

a fifth form showing first indications of document groups, second indications of used words in said extracted documents, and segments between said first indications and said second indications, said document group being composed of said extracted documents associated by a specific matter, and each of said segments representing a degree of relevancy between said document group and said used word.

3. (currently amended) The computer-implemented search processing method as set forth in claim 1, wherein said first transforming comprises:

dividing said ~~plurality of~~ extracted documents into clusters by using said extracted data of said ~~plurality of~~ extracted documents;

extracting second data to be displayed from said extracted data of said ~~plurality of~~ extracted documents, wherein a type of the extracted second data is predefined for said first display form; and

generating, for each said cluster, information to display the extracted second data to be utilized as said second search condition in said ~~following processing~~ follow up search process.

4. (currently amended) The computer-implemented search processing method as set forth in claim 1, wherein said first transforming comprises:

calculating a degree of relevancy between said ~~plurality of~~ extracted documents by using

said extracted data of said ~~plurality of~~extracted documents;

extracting, for each of said ~~plurality of documents~~extracted document, a first data item to be displayed from said extracted data of said ~~plurality of~~extracted documents, wherein a type of said extracted first data item is predefined for said first display form; and

generating information to display the extracted first data items to be utilized as said second search condition in said ~~following processing~~follow up search process, and a segment that connects between said extracted first data items and represents the calculated degree of relevancy between said extracted documents corresponding to said extracted first data items.

5. (currently amended) The computer-implemented search processing method as set forth in claim 1, wherein said first transforming comprises:

dividing said ~~plurality of~~extracted documents into classes based on used words included in said extracted data of said ~~plurality of~~extracted documents, and counting a number of documents in each said class based on a specific matter predefined for said first display form; and

generating information to display the counting result.

6. (currently amended) The computer-implemented search processing method as set forth in claim 1, wherein said first transforming comprises:

calculating a degree of relevancy between used words included in said extracted data of said ~~plurality of~~extracted documents; and

generating information to display said used words to be utilized as said second search condition in said ~~following processing~~follow up search process, and a segment that connects between said used words and represents the calculated degree of relevancy between said used words.

7. (currently amended) The computer-implemented search processing method as set forth in claim 1, wherein said first transforming comprises:

relating said ~~plurality of~~extracted documents into document groups based on a specific matter predefined for said first display form;

calculating a degree of relevancy between said document group and a used word included in said extracted data of said ~~plurality of~~extracted documents; and

generating information to display said document groups by said data of said specific

matter, and the calculated degree of relevancy between said document group and said used word by a segment connecting between said document group and said used word, wherein said document group and said used word are to be utilized as said second search condition in said ~~following processing~~follow up search process.

8. (currently amended) The computer-implemented search processing method as set forth in claim 1, wherein said second transforming comprises:

dividing said documents corresponding to said selected generated display item into clusters by using said data of said documents corresponding to said selected generated display item;

extracting third data to be displayed from said data of said documents corresponding to said selected generated display item, wherein a type of the extracted third data is predefined for said second user designated display form; and

generating, for each said cluster, information to display the extracted third data to be utilized as said third search condition in said ~~following processing~~follow up search process.

9. (currently amended) The computer-implemented search processing method as set forth in claim 1, wherein said second transforming comprises:

calculating a degree of relevancy between said documents corresponding to said selected generated display item by using said data of said documents corresponding to said selected generated display item;

extracting, for each of said documents corresponding to said selected generated display item, a second data item to be displayed from said data of said documents corresponding to said selected generated display item, wherein a type of said extracted second data item is predefined for said second display form; and

generating information to display the extracted second data items to be utilized as said third search condition in said ~~following processing~~follow up search process, and a segment that connects between said extracted second data items and represents the calculated degree of relevancy between said documents corresponding to said ~~selected~~extracted second data item.

10. (currently amended) The computer-implemented search processing method as set forth in claim 1, wherein said second transforming comprises:

dividing said documents corresponding to said selected generated display item into

classes based on used words included in said data of said documents corresponding to said selected generated display item, and counting a number of documents in each said class based on a specific matter predefined for said second display form; and  
generating information to display the counting result.

11. (currently amended) The computer-implemented search processing method as set forth in claim 1, wherein said second transforming comprises:

calculating a degree of relevancy between used words included in said extracted data of said documents corresponding to said selected generated display item; and

generating information to display said used words to be utilized as said third search condition in said ~~following processing~~follow up search process, and a segment that connects between said used words and represents the calculated degree of relevancy between said used words.

12. (currently amended) The computer-implemented search processing method as set forth in claim 1, wherein said second transforming comprises:

categorizing said documents corresponding to said selected generated display item into document groups based on a specific matter predefined for said second display form;

calculating a degree of relevancy between said document group and a used word included in said data of said documents corresponding to said selected generated display item; and

generating information to display said document groups by said data of said specific matter, and the calculated degree of relevancy between said document group and said used word by a segment connecting between said document group and said used word, wherein said document group and said used word are to be utilized as said third search condition in said ~~following processing~~follow up search process.

13. (Previously Presented) The computer-implemented search processing method as set forth in claim 1, wherein a document included in said predetermined document group is a patent document, and said display item is either of bibliographic information of said patent document and a used word in said patent document.

14. (Previously Presented) The computer-implemented search processing method as

set forth in claim 1, wherein at least either of said first and second transformings comprises specifying a display program corresponding to a display form, and generating information for said display program.

15. (Previously Presented) The computer-implemented search processing method as set forth in claim 1, wherein at least either of said first and second display forms is an arbitrary combination of predefined display forms.

16. (Currently Amended) A computer readable medium storing instructions being executable by a processor to perform ~~a method~~operations comprising:

searching a predetermined document group according to a first search condition specified by a user to extract data of a plurality of documents as extracted documents from a storage that stores said predetermined document group;

first transforming said extracted data of said plurality of documents into information to indicate said extracted data of said plurality of documents to said user in a first display form and to enable said user to select a generated display item, which is generated from said extracted data of said plurality of documents, to be utilized as a second search condition in a follow up search process~~following processing, wherein said display item is generated from said data of said plurality of documents extracted from said storage, and outputting the transformed information in the first display form;~~

receiving from said user designation of a second display form different from said first display form~~from said user;~~

extracting data of documents corresponding to said selected generated display item ~~selected by said user from said storage or from said extracted data of said plurality of documents;~~ and

second transforming said extracted data of said documents corresponding to said selected generated display item as extracted selected data into information to indicate said extracted selected data of said documents to said user in said second user designated display form, which is designated by said user and different from said first display form, specified by said user and to enable said user to select a display item from said extracted selected data to be utilized as a third search condition in a follow up search process~~following processing, wherein said display item is generated from said data of said documents corresponding to said selected display item, and outputting the second transformed information in the second user designated~~

display form.

17. (currently amended) The computer readable medium as set forth in claim 16, wherein each said first and second display forms is ~~at least one~~ or more of

a first form showing indications of extracted documents that have been classified by used words in said extracted documents,

a second form showing indications of said extracted documents, and segments between the indications, each segment representing a degree of relevancy between said extracted documents, that is calculated by used words in said extracted documents,

a third form showing a graph representing a result obtained by classifying and aggregating said extracted documents based on used words in said extracted documents;

a fourth form showing used words in said extracted documents and segments representing a degree of relevancy among said used words,

a fifth form showing first indications of document groups, second indications of used words in said extracted documents, and segments between said first indications and said second indications, said document group being composed of said extracted documents associated by a specific matter, and each of said segments representing a degree of relevancy between said document group and said used word.

18. (Currently Amended) A search processing apparatus, comprising:

a storage that stores a predetermined document group;

a search unit that searches said predetermined document group according to a first search condition specified by a user to extract data of a plurality of documents as extracted document from said storage;

a first transformer that transforms said extracted data of said plurality of documents into information to indicate said extracted data of said plurality of documents to said user in a first display form and to enable said user to select a generated display item, which is generated from said extracted data of said plurality of documents, to be utilized as a second search condition in ~~a follow up search process following processing, wherein said display item is generated from said data of said plurality of documents extracted from said storage,~~ and outputs the transformed information in the first display form;

a receiver that receives from said user designation of a second display form different from said first display form~~from said user~~;

an extractor that extracts data of documents corresponding to said selected generated display item ~~selected by said user from said storage or from said data~~ extracted of said plurality of documents; and

a second transformer that transforms said extracted data of said documents corresponding to said selected generated display item as extracted selected data into information to indicate said extracted selected data ~~of said documents~~ to said user in said second user designated display form, ~~which is designated by said user and different from said first display form, specified by said user~~ and to enable said user to select a display item from said extracted selected data to be utilized as a third search condition in a follow up search process following processing, ~~wherein said display item is generated from said data of said documents corresponding to said selected display item~~, and outputs the second transformed information in the second user designated display form.

19. (currently amended) The search processing apparatus as set forth in claim 18, wherein each said first and second display forms is at least one or more of

a first form showing indications of extracted documents that have been classified by used words in said extracted documents,

a second form showing indications of said extracted documents, and segments between the indications, each said segment representing a degree of relevancy between said extracted documents, that is calculated by used words in said extracted documents,

a third form showing a graph representing a result obtained by classifying and aggregating said extracted documents based on used words in said extracted documents;

a fourth form showing used words in said extracted documents and segments representing a degree of relevancy among said used words,

a fifth form showing first indications of document groups, second indications of used words in said extracted documents, and segments between said first indications and said second indications, said document group being composed of said extracted documents associated by a specific matter, and each of said segments representing a degree of relevancy between said document group and said used word.

20-22. (cancelled)